E. DEFENSE TECHNICAL INFORMATION CENTER (DTIC)

The Defense Technical Information Center (DTIC) is a major component of the Defense Scientific and Technical Information Program (STIP). DTIC provides access to and transfer of scientific, technical, and management information for DoD personnel, DoD contractors and potential contractors, and other U.S. Government agency personnel and their contractors.

DoD Technical Reports

DTIC is the central DoD repository for the collection and secondary dissemination of DoD scientific and technical information. Technical reports of DoD supported research, development, test and evaluation outcomes are collected, abstracted, indexed, and cataloged as part of DTIC's Technical Reports Bibliographic database. The database is accessed through the WED system (Web-Enabled Defense RDT&E Online System), available to registered users of DTIC (primarily DoD employees and contractors, and other Federal employees). The classified contents of the Technical Reports Bibliographic database are accessible to authorized users through the older DROLS (Defense RDT&E Online System) database.

In Fiscal Year 2000, the non-government sector of the Defense community used WED or DROLS to receive 176,680 output products directly from DTIC. During this same period, DTIC also supplied 12,668 technical reports to the National Technical Information Service (NTIS), the Federal government's focal point for delivering unclassified unlimited technical information to the public.

By disseminating the results of DoD science and technology, DTIC helps private sector organizations identify DoD work in fields of interest, and prevents duplication of research and development effort.

Portions of the technical report collection are also available on the Internet via DTIC's Scientific and Technical Information Network (STINET). Public STINET, available to the public, contains bibliographic citations to the unclassified unlimited technical report collection, as well as downloadable full text of recent releasable documents. Secure STINET is restricted to qualified, registered users, and provides encrypted transmission of citations and full text of recent documents, including unclassified, limited distribution reports.

In Fiscal Year 2000, there were more than 7 million Web accesses to Public STINET, from at least 13,530 unique user addresses and more than 1.2 million accesses to Secure STINET. There were 300,710 searches of the unclassified unlimited Technical Reports Bibliographic database, and 11,417 searches of the unclassified limited database. More than 5,800 full text documents were downloaded in FY2000, and 218,463 documents were downloaded in part (that is, the users

downloaded only the portions of a document that they wanted). There were also more than 300,000 searches of the external collections made available through STINET.

Registration for Access to DoD Technical Information

DTIC provides centralized registration services for access to Defense technical information. The registration system authorizes DoD organizations, DoD contractors, and prospective DoD contractors access to some or all of DTIC databases of ongoing and completed R&D, thus leveraging the nation's investment in DoD STI. Please note: registration is not required for access to the information available through Public STINET.

In Fiscal Year 2000, there were a total of 5,543 registered users. Of this total, 2,210 represented non-governmental industrial organizations, and 867 were educational organizations and institutions.

DTIC facilitates awareness of technology through its registration program by targeting prospective participants in the DoD Small Business Innovation Research (SBIR) program and the University Research Support program, as well as through outreach to Historically Black Colleges and Universities and Minority Institutions. Of the non-governmental industrial organizations registered with DTIC in FY 2000, 783 were participants in the SBIR program.

Defense Technology Transfer Information System (DTTIS)

DTIC maintains the DTTIS in cooperation with the military and defense agencies. As of December 31, 2000 the, DTTIS contained project information on 3,960 DoD Technology Transfer Activities, including 2,248 active Cooperative Research and Development Agreements (CRADAs) and 201 active Patent License Agreements. Approximately 100 Technology Transfer professionals are registered to use the DTTIS secure World Wide Web site to view and analyze T2 data. 2000 input into the DTTIS included 536 new records and 1714 modifications.

Independent Research and Development (IR&D or IRAD) database

DTIC maintains a database with project description and financial information reflecting Independent Research and Development (IR&D) efforts conducted by Defense contractor activities. In 2000, the database received 2700 project descriptions reflecting over $2.4 billion in 2000 IR&D investment. It is estimated that this reflects almost 85% of the cost recoverable IR&D efforts performed by defense contractors. The information in the database is proprietary and disseminated to registered U.S. government personnel via the World Wide Web. In 2000, DTIC brought on-line a secure IR&D Website to better serve DoD customers in the leveraging of IR&D technology for DoD purposes.

Internet/World Wide Web (WWW)

The DoD continues to maintain its position as a leader in improving access to information through innovative Information Technology (IT) solutions. In its development and maintenance of more than 80 DoD Web information systems, the DTIC continues to utilize leading-edge technologies in creating applications which will gather and distribute technology transition information in the most timely and accessible manner.

This support is exemplified most recently by the Virtual Technology Exposition (VTE), a Web site designed to provide the DoD and its academic and industrial partners access to current information concerning the most advanced technology research activities in the Department. Through easily accessed descriptions of recent research advances, the VTE offers program managers greater visibility of emerging technologies. It allows these managers to become more familiar with the technical resources available to them, and thus more effective in transitioning appropriate technologies into their specific weapon systems programs. In addition, the VTE can also be utilized to identify new collaborative opportunities with partners that possess specific expertise, experience in unique technologies or who have common program objectives. A wide array of program categories are included in the VTE, as well as other sources of published information related to research in these areas. The overarching purpose of facilitating such information transfer and relationship establishment is to create improved processes that will result in reduced cycle time and development/production costs.

The VTE is currently in the first phase of content development, and is continually expanding its offerings to give users a broad view of innovative DoD technologies. The site currently contains only unclassified information and is open to the DoD research community and other government agencies.

DoD Information Analysis Centers (DoD IACs)

The DoD IAC Program provides access via the World Wide Web (WWW) to 13 DTIC sponsored Centers and one Army sponsored Center for the analysis of scientific and technical information. Each IAC Home Page continues to experience a steadily increasing volume of inquiry traffic from the public sector, especially in Chemical and Biological Defense, Information Assurance (Electronic Security), and Y2K issues. WWW access provides significant opportunity for technology transfer of publicly accessible defense technical information plus a channel for two-way electronic communication with technology experts.

The DoD IAC Program has experienced steady growth, as evidenced by an increase to $174M in reimbursable and direct cite dollars placed on IAC contracts in FY 00. Other accomplishments of the DoD IAC Program during 2000 include:

a. Established one new IAC contract, Chemical Warfare/Chemical and Biological Defense IAC, January 2000.

b. Fielded Performance Results Evaluation Management Information System (PREMIS) at 13 IACs, Defense Supply Center Columbus Contracting Office, 19 Contracting Officer's Technical Representative locations and the DoD IAC Program Office at DTIC. This system provides IAC Program participants instant electronic access to technical area tasks status.

Additionally, extensive interaction is underway with two technical communities to explore the feasibility of establishing IACs in the areas of Data Fusion and Space.